Set	Items	Description
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S2	, 464	
S3	15	
S4	98	AU=(SOLTZ R? OR SOLTZ, R?)
s5	57	AU=(SOLTZ M? OR SOLTZ, M?)
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s7	0	S6 AND "DERIVATIZED COLLAGEN"
S8	111	S6 AND COLLAGEN
S9	0	S8 AND DERIVATIZED
S10	0	S8 AND DERIVATIZE
S11	0	S8 AND SH
S12	0	S8 AND COO-
S13	0	S5 AND SH
S14	0	S8 AND SULFHYDRAL
S15	2	S8 AND SULFONYL
S16	0	S15 AND ACYLATED
S17	0	S5 AND COLLAGEN AND ADHESIVE
S18	2	S5 AND COLLAGEN
S19	2	S8 AND ADHESIVE
S20	5454	COLLAGEN AND ADHESIVE
S21	8	S20 AND SH
S22	0	S21 AND COO-
S23	0	S21 AND COO
S24	0	S20 AND SULFONYL
S25	0	S20 AND SULFHYDRAL
S26	1	S20 AND ACYLATED
S27	0	S26 AND S21
S28	16	S20 AND DERIVATIZED
S29	0	S28 AND S21
\$30	0	S26 AND S28
S31	1	S28 AND PATCH
S32	0	S28 AND MESH
S33	0	S28 AND WIRE
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T S15/3, K/ALL
>>>KWIC option is not available in file(s): 399
              (Item 1 from file: 399)
 15/3,K/1
DIALOG(R) File 399:CA SEARCH(R)
(c) 2003 American Chemical Society. All rts. reserv.
             CA: 109(20)176392n
                                   PATENT
109176392
 Viscoelastic collagen solution for use in ophthalmic surgery and method
of preparation
  INVENTOR (AUTHOR): Devore, Dale P.; Scherrer, Robert A.; Scholz, Matthew
  LOCATION: USA
  ASSIGNEE: Minnesota Mining and Mfg. Co.
  PATENT: United States; US 4713446 A DATE: 871215
  APPLICATION: US 890847 (860806) *US 773310 (850906)
  PAGES: 20 pp. Cont.-in-part of U.S. Ser. No. 773,310, abandoned. CODEN:
USXXAM LANGUAGE: English CLASS: 530356000; A61K-031/78A; A61B-017/00B
              (Item 2 from file: 399)
 15/3, K/2
DIALOG(R)File 399:CA SEARCH(R)
(c) 2003 American Chemical Society. All rts. reserv.
             CA: 106(24)201790p
                                   PATENT
 Viscoelastic collagen solution for ophthalmic use and method of
preparation
  INVENTOR(AUTHOR): DeVore, Dale P.; Scherrer, Robert A.; Scholz, Matthew
Т.
  LOCATION: USA
  ASSIGNEE: Minnesota Mining and Mfg. Co.
  PATENT: European Pat. Appl.; EP 214853 A2 DATE: 870318
  APPLICATION: EP 86306880 (860905) *US 773310 (850906)
  PAGES: 61 pp. CODEN: EPXXDW LANGUAGE: English CLASS: C08H-001/06A;
A61L-017/00B DESIGNATED COUNTRIES: DE; FR; GB; IT; SE
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4/21/03 3:15 AM

T S19/3,K/ALL >>>KWIC option is not available in file(s): 399

19/3,K/1 (Item 1 from file: 6)

DIALOG(R) File 6:NTIS

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0426899 NTIS Accession Number: PB-227 231/8/XAB

A Study of the Adhesive Mechanisms of Various Species of the Sea Mussel

(Annual rept. Jul 72-Aug 73)

Sherwood, B. E.; DeVore, D. P.; Schwartz, W. E.

Battelle Memorial Inst., Columbus, Ohio. Columbus Labs.

Corp. Source Codes: 401817

Report No.: NIH-NIDR-70-2237

15 Oct 73 42p

Journal Announcement: GRAI7407

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NTIS Prices: PC A03/MF A01

A Study of the Adhesive Mechanisms of Various Species of the Sea Mussel Sherwood, B. E.; DeVore, D. P.; Schwartz, W. E.

... indicate that sea mussel cementum is a structural protein exhibiting some of the properties of collagen but differing from it. Evidence implicating collagen as a major fraction of the cementum was not obtained. The salt-soluble fraction of sea mussel adhesive was different from tropocollagen with respect to fiber formation by the action of tyrosinase and amino acid oxidaze. Cross links from aldol condensation and Schiff-base condensation as found in collagen which are initiated by amino acid oxidaze were not identified. The amino acid cross links...

19/3,K/2 (Item 1 from file: 399)

DIALOG(R) File 399:CA SEARCH(R)

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117258275 CA: 117(26)258275f PATENT

Collagen-based adhesives and sealants for medical use and methods of preparation thereof

INVENTOR(AUTHOR): Kelman, Charles D.; Devore, Dale P.

LOCATION: USA

ASSIGNEE: Autogenesis Technologies, Inc.

PATENT: PCT International ; WO 9213025 Al DATE: 920806

APPLICATION: WO 92US704 (920127) *US 646944 (910129)

PAGES: 29 pp. CODEN: PIXXD2 LANGUAGE: English CLASS; C08H-001/06A; C08G-002/02B; C08G-002/18B; C08G-004/00B; C08F-002/46B; C09J-189/06B;

A61L-025/00B DESIGNATED COUNTRIES: BR; CA; JP DESIGNATED REGIONAL: AT; BE

; CH; DE; DK; ES; FR; GB; GR; IT; LU; MC; NL; SE

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4/21/03 3:17 AM

T S31/3,K/ALL >>>KWIC option is not available in file(s): 399

31/3,K/1 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
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01276065 Genuine Article#: GL281 No. References: 35
Title: HEPATOCYTE ADHESION TO CARBOHYDRATE-DERIVATIZED SURFACES .2.

REGULATION OF CYTOSKELETAL ORGANIZATION AND CELL MORPHOLOGY

Author(s): WEISZ OA; SCHNAAR RL

Corporate Source: JOHNS HOPKINS UNIV, SCH MED, DEPT

PHARMACOL/BALTIMORE//MD/21205; JOHNS HOPKINS UNIV, SCH MED, DEPT

NEUROSCI/BALTIMORE//MD/21205

Journal: JOURNAL OF CELL BIOLOGY, 1991, V115, N2, P495-504

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Title: HEPATOCYTE ADHESION TO CARBOHYDRATE- DERIVATIZED SURFACES .2. REGULATION OF CYTOSKELETAL ORGANIZATION AND CELL MORPHOLOGY

Abstract: Rat hepatic lectins mediate adhesion of isolated rat hepatocytes to synthetic surfaces derivatized with galactosides. Initial weak adhesion is followed by rapid adhesion strengthening. After hepatocytes contact galactose- derivatized gels, the hepatic lectins move rapidly into an inaccessible patch at the adhesive surface (Weisz, O A., and R. L. Schnaar. 1991. J. Cell Biol. 115:485-493...

...adhesion strengthening (without reducing weak cell adhesion). Clathrin and actin were readily detected in the adhesive patch by immunofluorescence microscopy.

Rat hepatocytes also adhered avidly to surfaces derivatized with asialofetuin, a high-affinity ligand for the rat hepatic lectins. However, hepatic lectin molecules did not migrate into a patch on the asialofetuin- derivatized surface, suggesting that hepatic lectin-asialofetuin binding may have resulted in the rapid formation of

... of additional lectin molecules into the contact site. The cells were unable to increase their adhesive contact area by flattening onto the derivatized surface. Treatment of cells with cytochalasin, however, did result in an increase in the size of the contact area. Cells adhering to surfaces derivatized with an adhesion-promoting peptide (containing an arg-gly-asp sequence) had larger contact areas than those adhering to galactoside- derivatized surfaces. A model is proposed in which carbohydrate-mediated adhesion causes specific reorganization of cytoskeletal...

...Identifiers--ISOLATED RAT HEPATOCYTES; RECEPTOR-MEDIATED ENDOCYTOSIS; EXTRACELLULAR-MATRIX; FIBROBLAST ADHESION; COATED VESICLES; IV COLLAGEN; FIBRONECTIN; PROTEINS; GLYCOPROTEINS; COLCHICINE

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Nucleotide Search PubMed *

Protein Genome for devore and collagen and derivatized

Structure

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To combine searches use # before search number, e.g., #2 AND #6.

• Search numbers may not be continuous, all searches are represented.

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Help FAQ Tutorial	#15 Search	1 devore and collagen and derivatized	03:29:24	<u>0</u>
New/Noteworthy E-Utilities	#14 Searcl	devore and collagen	03:29:17	<u>14</u>
L Guines	#13 Searcl	devore and collagen and tissue and adhesive	03:29:12	<u>0</u>
PubMed Services	#12 Search	collagen and tissue and adhesive and derivatized	03:28:14	
Journals Database MeSH Browser	#11 Search	collagen and tissue and adhesive	03:28:04	<u>562</u>
Single Citation Matcher Batch Citation Matcher	#10 Search	collagen and tissue	03:27:58	<u>41432</u>
Clinical Queries	#9 Search	collagen and derivatized and acylated	03:27:49	<u>0</u>
LinkOut Cubby	#8 Search	collagen and derivatized and COO-	03:27:46	<u>0</u>
	#7 Search	collagen and derivatized and COO	03:27:43	<u>0</u>
Related Resources Order Documents	#6 Search	collagen and derivatized and sulfhydral	03:27:36	<u>0</u>
NLM Gateway	#5 Search	collagen and derivatized and sulhydral	03:27:28	<u>51</u>
TOXNET Consumer Health	#4 Search	collagen and derivatized and sulfonyl	03:27:18	1
Clinical Alerts ClinicalTrials.gov	#3 Search	collagen and derivatized and SH-	03:27:13	<u>0</u>
PubMed Central	#2 Search	collagen and derivatized	03:27:08	<u>51</u>
Privacy Policy	#1 Search	collagen	03:27:01	<u>88924</u>

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Mar 17 2003 10:44:01

L Number	Hits	Search Text	DB	Time stamp
Number -	41069	collagen	USPAT;	2003/03/12
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			EPO; JPO;	
			DERWENT	
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_	115	"SH-" and "COO-" and collagen	USPAT;	2003/03/12
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			DERWENT	2002/02/12
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			DERWENT	
	31	"SH-" and "COO-" and collagen and	USPAT;	2003/03/12
_	31	derivatized and "functional group"	US-PGPUB;	18:16
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			DERWENT	
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		derivatized and "functional group" and	US-PGPUB;	18:16
		composition	EPO; JPO;	
		Hatt H and Hand H CAMP colloger and	DERWENT USPAT;	2003/03/12
-	0	"SH-" and "COO-" SAME collagen and derivatized and "functional group" and	US-PGPUB;	
		composition	EPO; JPO;	
		Composition	DERWENT	
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		derivatized and "functional group" and	US-PGPUB;	18:16
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			DERWENT	2002/02/12
-	7	"COO-" and "SH-" and collagen and	USPAT;	2003/03/12
	1	derivatized and "functional group" and	US-PGPUB; EPO; JPO;	10.20
		composition and cyanoacrylate	DERWENT	
1_	7	"COO-" and "SH-" and collagen and	USPAT;	2003/03/12
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-	.0	4713446.pn. and "COO-"	USPAT;	2003/03/12
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-	1	6211333.pm. and t133de	US-PGPUB	13:38
_	1	6211335.pn. and tissue and structure	USPAT;	2003/04/17
		6211335.pn. and tissue and structure and	US-PGPUB USPAT;	13:39 2003/04/17
_	0	mesh	US-PGPUB	13:39
-	1	6211335.pn. and tissue and structure and	USPAT;	2003/04/17
		wire	US-PGPUB USPAT;	13:39
_	1	6211335.pn. and wire	US-PGPUB	13:39
_	12512	collagen.ab.	USPAT;	2003/04/17
			US-PGPUB; EPO; JPO;	14:16
			DERWENT	
_	4942	collagen.ti.	USPAT;	2003/04/17
		•	US-PGPUB;	14:16
			EPO; JPO; DERWENT	
_	6064	collagen and nylon	USPAT;	2003/04/17
			US-PGPUB	14:16
-	13275	collagen and gelatin	USPAT; US-PGPUB	2003/04/17
_	6064	 collagen and nylon	USPAT;	2003/04/17
		-	US-PGPUB	14:17
-	971	collagen and nylon and wire	USPAT; US-PGPUB	2003/04/17
_	31	collagen and nylon and wire SAME carbon	USPAT;	2003/04/17
			US-PGPUB	14:18
-	21	collagen and nylon and wire SAME carbon	USPAT; US-PGPUB	2003/04/17
_	1	SAME metal collagen and nylon and polyester and	USPAT;	2003/04/17
		polycarbonate and wire SAME carbon SAME	US-PGPUB	14:24
	1	metal collagen and nylon and polyester and	USPAT;	2003/04/17
-	1	polycarbonate and wire SAME carbon SAME	US-PGPUB	14:44
		metal and tissue		2002/04/17
-	0	collagen and nylon and polyester and polycarbonate and wire SAME carbon SAME	USPAT; US-PGPUB	2003/04/17
		metal and tissue and patch	05 10102	
-	0	collagen and nylon and polyester and	USPAT;	2003/04/17
		polycarbonate and wire SAME carbon SAME metal and tissue and solder	US-PGPUB	14:29
_	0	collagen and nylon and polyester and	USPAT;	2003/04/17
		polycarbonate and wire SAME carbon SAME	US-PGPUB	14:29
	10	metal and tissue and welding collagen and nylon and polyester and wire	USPAT;	2003/04/17
_	10	SAME carbon SAME metal	US-PGPUB	14:30
_	1	collagen and nylon and polyester and	USPAT;	2003/04/17
		polycarbonate and wire SAME carbon SAME metal and wire	US-PGPUB	13.00
_	0	collagen and nylon and polyester and	USPAT;	2003/04/17
		polycarbonate and wire SAME carbon SAME	US-PGPUB	15:07
		metal and bond and solder collagen and nylon and polyester and	USPAT;	2003/04/17
_		polycarbonate and wire SAME carbon SAME	US-PGPUB	15:08
		metal and solder	, i a D D M	2002/04/17
-	0	collagen and nylon and polyester and polycarbonate and wire SAME carbon SAME	USPAT; US-PGPUB	2003/04/17
		metal and weld		
-	1	collagen and nylon and polyester and	USPAT;	2003/04/17
		polycarbonate and wire SAME carbon SAME metal and soldered and welded	US-PGPUB	15:10
_	1	collagen and nylon and polyester and	USPAT;	2003/04/17
		polycarbonate and wire SAME carbon SAME	US-PGPUB	15:18
		metal and soldered and welded and fibers		

-	0	collagen and nylon and polyester and polycarbonate and wire SAME carbon SAME	USPAT; US-PGPUB	2003/04/17 15:18
		metal and soldered and welded and fibers	US-PGPUB	15.10
		and photoinitiated		
-	1	collagen and nylon and polyester and	USPAT;	2003/04/17
		polycarbonate and wire SAME carbon SAME	US-PGPUB	15:43
		metal and soldered and welded and fibers and photo		
_	0	collagen and nylon and polyester and	USPAT;	2003/04/17
		polycarbonate and wire SAME carbon SAME	US-PGPUB	15:27
		metal and soldered and welded and fibers		
_	0	and photo and coaligned collagen and nylon and polyester and	USPAT;	2003/04/17
		polycarbonate and wire SAME carbon SAME	US-PGPUB	15:28
		metal and soldered and welded and fibers		
	. 0	and photo and random collagen and nylon and polyester and	USPAT;	2003/04/17
-	. 0	polycarbonate and wire SAME carbon SAME	US-PGPUB	15:28
		metal and soldered and welded and fibers		
		and photo and aligned	HCDAM.	2002/04/17
-	0	collagen and nylon and polyester and polycarbonate and wire SAME carbon SAME	USPAT; US-PGPUB	2003/04/17
		metal and soldered and welded and fibers		
	_	and photo and derivatize		0000/04/17
_	0	collagen and nylon and polyester and polycarbonate and wire SAME carbon SAME	USPAT; US-PGPUB	2003/04/17 15:43
		metal and soldered and welded and fibers	05 76105	13.43
		and photo and derivatized		
-	6	derivatived and collagen.ab.	USPAT;	2003/04/17 16:05
			US-PGPUB; EPO; JPO;	16:03
			DERWENT	
-	0		USPAT;	2003/04/17
		SAME coaligned	US-PGPUB; EPO; JPO;	16:05
			DERWENT	
-	6	derivatived and collagen.ab. and fibers	USPAT;	2003/04/17
			US-PGPUB; EPO; JPO;	16:05
			DERWENT	
-	0	derivatived and collagen.ab. and fibers	USPAT;	2003/04/17
د		SAME aligned	US-PGPUB;	16:05
			EPO; JPO; DERWENT	
-	О	derivatived and collagen.ab. and fibers	USPAT;	2003/04/17
		and patch	US-PGPUB;	16:06
			EPO; JPO; DERWENT	
_	0	derivatived and collagen.ab. and fibers	USPAT;	2003/04/17
		and laser	US-PGPUB;	16:06
			EPO; JPO; DERWENT	
_	0	derivatived and collagen.ab. and fibers	USPAT;	2003/04/17
		and photo	US-PGPUB;	16:06
			EPO; JPO;	
	0	derivatived ADJ collagen and fibers and	DERWENT USPAT;	2003/04/17
_		photo	US-PGPUB;	16:06
			EPO; JPO;	
	_	derivatived ADI colleges and fibers	DERWENT USPAT;	2003/04/17
-	0	derivatived ADJ collagen and fibers	US-PGPUB;	16:06
			EPO; JPO;	
		device bised DDT mollers:	DERWENT	2002/04/17
_	0	derivatived ADJ collagen	USPAT; US-PGPUB;	2003/04/17 16:07
			EPO; JPO;	- · · - ·
			DERWENT	

		_	_	
_	7265	collagen and adhesive	USPAT;	2003/04/17
			US-PGPUB;	16:07
Į			EPO; JPO;	
			DERWENT	0000/04/17
-	175	collagen and adhesive and photo and laser	USPAT;	2003/04/17
		and fiber	US-PGPUB;	16:07
			EPO; JPO;	
			DERWENT	2002/04/17
-	48	collagen and adhesive and photo and laser	USPAT;	2003/04/17
		and fiber and derivatized	US-PGPUB;	16:07
		,	EPO; JPO;	1
	_		DERWENT	2003/04/17
-	0	collagen.ab. and adhesive and photo and	USPAT;	16:07
		laser and fiber and derivatized	US-PGPUB; EPO; JPO;	16:07
			DERWENT	
		and photo and lagor	USPAT;	2003/04/17
-	11	collagen and adhesive and photo and laser	US-PGPUB;	16:07
İ		and fiber and derivatized SAME collagen	EPO; JPO;	16.07
1			1	
		and adherite and whate and lacen	DERWENT USPAT;	2003/04/17
-	0	collagen and adhesive and photo and laser	US-PGPUB;	16:08
		and fiber SAME aligned and derivatized	EPO; JPO;	10.00
		SAME collagen	DERWENT	
		and the same state and leave		2003/04/17
-	11	collagen and adhesive and photo and laser	USPAT;	16:08
		and fiber and derivatized SAME collagen	US-PGPUB; EPO; JPO;	10.00
		,	DERWENT	
		and all and and abote and lagor	USPAT;	2003/04/17
-	0	collagen and adhesive and photo and laser	US-PGPUB;	16:08
		and fiber and derivatized SAME collagen	EPO; JPO;	10.00
		and patch	DERWENT	ļ
		11 and there and leave and fibor	USPAT;	2003/04/17
_	11		US-PGPUB;	16:08
		and derivatized SAME collagen	EPO; JPO;	10.00
			DERWENT	
		11 white and legen and fibor	USPAT;	2003/04/17
-	9	collagen and photo and laser and fiber	US-PGPUB;	16:09
		and derivatized SAME collagen and wire	EPO; JPO;	10.09
			DERWENT	
		collagen and photo and laser and fiber	USPAT;	2003/04/17
-	9	collagen and photo and laser and liber	US-PGPUB;	16:10
		and derivatized SAME collagen and wire	EPO; JPO;	10.10
		and polymer	DERWENT	
	_	gollagon and mhote and lagon and fiber	USPAT;	2003/04/17
-	9	collagen and photo and laser and fiber	US-PGPUB;	16:13
		and derivatized SAME collagen and wire	EPO; JPO;	
			DERWENT	
	_	collagen and photo and laser and fiber	USPAT;	2003/04/17
-	0	and derivatized SAME collagen and	US-PGPUB;	16:14
		and derivatized SAME collagen and attachment and wire SAME carbon	EPO; JPO;	1 - 3 - 1 - 1
		accachinent and wire same carbon	DERWENT	
		collagen and photo and laser and fiber	USPAT;	2003/04/17
-	0	and derivatized SAME collagen and	US-PGPUB;	16:14
		and derivatized SAME Collagen and attachment and wire SAME metal	EPO; JPO;	1 - 3 - 1 - 1
		accacimient and wife SAME metal	DERWENT	
1		collagen and photo and laser and fiber	USPAT;	2003/04/17
-	9	and derivatized SAME collagen and	US-PGPUB;	16:14
		and derivatized SAME collagen and attachment and wire	EPO; JPO;	
1		attachment and wire	DERWENT	1
ĺ	-	collagen and photo and laser and fiber	USPAT;	2003/04/17
-	1	corragen and photo and raser and riber	US-PGPUB;	16:14
	ı	and derivatized SAME collagen and	EPO; JPO;	1 - 3 - 1 - 1
	1	attachment and wire and nylon	DERWENT	1
		and lager and fiber	USPAT;	2003/04/17
-	1	collagen and photo and laser and fiber and derivatized SAME collagen and	US-PGPUB;	16:15
		land derivatized SAME COLLAGEN and	US-FGFUD;	1 -00
			FDO: JDO:	1
		attachment and wire and nylon and polyester	EPO; JPO; DERWENT	

_	0	collagen and photo and laser and fiber	USPAT;	2003/04/17
		and derivatized SAME collagen and	US-PGPUB;	16:15
	Ì	attachment and wire and nylon and	EPO; JPO;	
		polyester and polycarbon	DERWENT	
-	1	collagen and photo and laser and fiber	USPAT;	2003/04/17
		and derivatized SAME collagen and	US-PGPUB;	16:15
		attachment and wire and nylon and	EPO; JPO;	
		polyester	DERWENT	
-	2	6471993.pn. and fiber	USPAT;	2003/04/17
			US-PGPUB;	16:21
			EPO; JPO;	
			DERWENT	
_	0	6471993.pn. and polymerize	USPAT;	2003/04/17
			US-PGPUB;	16:21
	1		EPO; JPO;	
	1		DERWENT	
] -	0	6471993.pn. and polymerized	USPAT;	2003/04/17
			US-PGPUB;	16:21
1			EPO; JPO;	
			DERWENT	
-	2942	polymerize\$1 and collagen	USPAT;	2003/04/17
		<u>-</u>	US-PGPUB;	16:21
			EPO; JPO;	
			DERWENT	
-	538	polymerize\$1 SAME collagen	USPAT;	2003/04/17
1			US-PGPUB;	16:22
			EPO; JPO;	
			DERWENT	
_	471	polymerize\$1 SAME collagen and tissue	USPAT;	2003/04/17
			US-PGPUB;	16:22
			EPO; JPO;	
			DERWENT	
_	50	polymerize\$1 ADJ collagen	USPAT;	2003/04/17
		F1	US-PGPUB;	16:22
			EPO; JPO;	
			DERWENT	
l -	45	polymerized ADJ collagen	USPAT;	2003/04/17
-		F1	US-PGPUB;	16:23
			EPO; JPO;	
			DERWENT	
_	1	polymerized ADJ collagen and fiber\$1 SAME	USPAT;	2003/04/17
		direction	US-PGPUB;	16:38
		V.	EPO; JPO;	
			DERWENT	
-	1	polymerized ADJ collagen and fiber\$1 SAME	USPAT;	2003/04/17
		orientation	US-PGPUB;	16:39
			EPO; JPO;	
			DERWENT	
_	26	polymerized ADJ collagen and fiber\$1	USPAT;	2003/04/17
			US-PGPUB;	17:04
			EPO; JPO;	
			DERWENT	
-	26	polymerize ADJ collagen	USPAT;	2003/04/17
			US-PGPUB;	16:43
1			EPO; JPO;	
1			DERWENT	
-	0	Shastri.in. and polymerize ADJ collagen	USPAT;	2003/04/17
		The property of the property o	US-PGPUB;	16:44
			EPO; JPO;	
			DERWENT	
_	5	Shastri.in. and collagen	USPAT;	2003/04/17
		bilaboli. iii. alia bollagen	US-PGPUB;	16:49
İ			EPO; JPO;	
			DERWENT	
_	1 0	Shastri.in. and collagen and derivatize	USPAT;	2003/04/17
		dia corragei ana acrivacira	US-PGPUB;	16:49
			EPO; JPO;	
			DERWENT]
1	1	I	D D I L MA D I M T	I

_	2	Shastri.in. and collagen and derivatized	USPAT; US-PGPUB; EPO; JPO;	2003/04/17 17:00
			DERWENT	ì
_	2	Shastri.in. and collagen and derivatized	USPAT;	2003/04/18
	-	and wire	US-PGPUB;	14:08
			EPO; JPO;	
			DERWENT	
_	0	Shastri.in. and collagen and derivatized	USPAT;	2003/04/17
		and wire SAME carbon	US-PGPUB;	17:00
			EPO; JPO;	
			DERWENT	0000/04/17
-	0	Shastri.in. and collagen and derivatized	USPAT;	2003/04/17
		and wire SAME metal	US-PGPUB;	17:00
			EPO; JPO; DERWENT	
	206407	Shastri.in. and collagen and derivatized	USPAT;	2003/04/17
-	206497		US-PGPUB;	17:01
		and wire nylon	EPO; JPO;	17.01
			DERWENT	
	2	Shastri.in. and collagen and derivatized	USPAT;	2003/04/17
-	4	and wire and nylon	US-PGPUB;	17:01
		and wire and nyion	EPO; JPO;	
		·	DERWENT	
<u> </u>	7	polymerized ADJ collagen and fiber\$1 and	USPAT;	2003/04/17
	·	tissue ADJ adhesive	US-PGPUB;	17:05
1		CISSUC ING GAMESIVE	EPO; JPO;	
ì	ŀ		DERWENT	
_	0	polymerized ADJ collagen and fiber\$1 and	USPAT;	2003/04/17
		tissue ADJ adhesive and photo	US-PGPUB;	17:05
		•	EPO; JPO;	
	1		DERWENT	
_	7		USPAT;	2003/04/17
		tissue ADJ adhesive and light	US-PGPUB;	17:05
			EPO; JPO;	
			DERWENT	2222/24/17
_	7	polymerized ADJ collagen and fiber\$1 and	USPAT;	2003/04/17
		tissue ADJ adhesive and light	US-PGPUB;	17:10
			EPO; JPO;	
Į.	_	1.54501	DERWENT	2003/04/17
11-	5	derivatized ADJ collagen and fiber\$1 and	USPAT; US-PGPUB;	17:11
		tissue ADJ adhesive and light	EPO; JPO;	1,
			DERWENT	
		derivatized ADJ collagen and fiber\$1 SAME	USPAT;	2003/04/17
1 -	"	direction and tissue ADJ adhesive and	US-PGPUB;	17:11
		light	EPO; JPO;	
			DERWENT	
_	0	derivatized ADJ collagen and fiber\$1 SAME	USPAT;	2003/04/17
		orientation and tissue ADJ adhesive and	US-PGPUB;	17:11
		light	EPO; JPO;	
			DERWENT	
-	0	derivatized ADJ collagen and fiber\$1 SAME	USPAT;	2003/04/17
		elongated and tissue ADJ adhesive and	US-PGPUB;	17:12
	1	light	EPO; JPO;	
			DERWENT	2002/5:/27
-	5		USPAT;	2003/04/17
		tissue ADJ adhesive and light	US-PGPUB;	18:09
	}		EPO; JPO;	
			DERWENT	2002/04/17
-	0	derivatized ADJ collagen and fiber\$1 and	USPAT;	2003/04/17
	1	aligned and tissue ADJ adhesive and light	US-PGPUB;	17:56
			EPO; JPO;	
1			DERWENT	2003/04/17
-	0		USPAT; US-PGPUB;	17:56
		adhesive and light	EPO; JPO;	11.30
1			DERWENT	
1	1		DUMBINI	

-	0	fiber\$1 and coaligned and tissue ADJ adhesive	USPAT; US-PGPUB; EPO; JPO;	2003/04/17 17:56
			DERWENT	
-	59	fiber\$1 and coaligned	USPAT;	2003/04/17
		•	US-PGPUB;	17:57
			EPO; JPO; DERWENT	
	0	fiber\$1 and coaligned and tissue ADJ	USPAT;	2003/04/17
_		adhesive	US-PGPUB;	17:57
			EPO; JPO;	
			DERWENT	2003/04/17
-	2	fiber\$1 and coaligned and tissue and adhesive	USPAT; US-PGPUB;	17:57
		adnesive	EPO; JPO;	2,700.
	·		DERWENT	
-	12	fiber\$1 and coaligned and tissue	USPAT;	2003/04/17 18:03
			US-PGPUB; EPO; JPO;	10:03
			DERWENT	
1 -	1	fiber\$1 and coaligned and direction and	USPAT;	2003/04/17
		orientation and tissue	US-PGPUB;	18:02
			EPO; JPO; DERWENT	
	12	fiber\$1 and coaligned and direction and	USPAT;	2003/04/17
1	12	orientation	US-PGPUB;	18:04
			EPO; JPO;	
	1.2	COL 01 CDMD and downed	DERWENT USPAT;	2003/04/17
-	13	fiber\$1 SAME coaligned	US-PGPUB;	18:04
			EPO; JPO;	
•		,	DERWENT	
-	5	fiber\$1 SAME coaligned and tissue	USPAT;	2003/04/17
			US-PGPUB; EPO; JPO;	10:00
			DERWENT	
	13	fiber\$1 SAME coaligned	USPAT;	2003/04/17
			US-PGPUB;	18:08
			EPO; JPO; DERWENT	
_	5	fiber\$1 SAME coaligned and tissue	USPAT;	2003/04/17
			US-PGPUB;	18:08
			EPO; JPO;	
	1.5	derivatized ADJ collagen and fiber\$1	DERWENT USPAT;	2003/04/17
-	13	delivatized ADO Collagen and liberyi	US-PGPUB;	18:09
			EPO; JPO;	
		1 5:1-42 6777	DERWENT	2003/04/17
-	1	derivatized ADJ collagen and fiber\$1 SAME orientation	USPAT; US-PGPUB;	18:10
		off chicacton	EPO; JPO;	
			DERWENT	0000/04/07
-	0	derivatized ADJ collagen and fiber\$1 SAME	USPAT;	2003/04/17
		orientation and adhesion	US-PGPUB; EPO; JPO;	10.10
			DERWENT	
-	1	derivatized ADJ collagen and fiber\$1 SAME	USPAT;	2003/04/17
		orientation and tissue	US-PGPUB;	18:10
			EPO; JPO; DERWENT	
_	0	derivatized ADJ collagen and fiber\$1 SAME	USPAT;	2003/04/17
		orientation and tissue and sealing	US-PGPUB;	18:11
	1		EPO; JPO; DERWENT	
	1	derivatized ADJ collagen and fiber\$1 SAME	USPAT;	2003/04/17
	1	\$2align\$4	US-PGPUB;	18:13
			EPO; JPO;	
			DERWENT]

-	1	derivatized ADJ collagen and fiber\$1 SAME direction	USPAT; US-PGPUB; EPO; JPO;	2003/04/17 18:12
	0	derivatized ADJ collagen and fiber\$1 SAME coaligned	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/04/17 18:14
-	109	derivatized SAME collagen and fiber\$1	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/04/17 18:14
-	0	derivatized SAME collagen and fiber\$1 and coaligned	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/04/17 18:15
_	10	derivatized SAME collagen and fiber\$1 and oriented	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/04/17 18:15
-	9	derivatized SAME collagen and fiber\$1 SAME oriented	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/04/17 18:15
_	5	derivatized SAME collagen and fiber\$1 SAME oriented and tissue and sealing	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/04/17 18:17
-	5	derivatized SAME collagen and fiber\$1 SAME oriented and sealing	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/04/17 18:22
_	9	derivatized SAME collagen and fiber\$1 SAME oriented and tissue	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/04/17
	27	derivatized SAME collagen and tissue ADJ adhesive	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/04/17 18:25
-	14	derivatized SAME collagen and tissue ADJ adhesive and fiber\$1	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/04/17 18:25
-	7	derivatized SAME collagen and tissue ADJ adhesive and fiber\$1 and sealing	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/04/17 18:26
-	5	derivatized SAME collagen and tissue ADJ adhesive and fiber\$1 SAME strength and sealing	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/04/17 18:28
-	0	derivatized SAME collagen and tissue ADJ adhesive and fiber\$1 SAME coaligned	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/04/17 18:29
_	1	derivatized SAME collagen and tissue ADJ adhesive and fiber\$1 and patch .	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/04/17 18:38
-	0	derivatized SAME collagen and tissue ADJ adhesive and fiber\$1 and patch and weld	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/04/17 18:38
-	2	derivatized SAME collagen and tissue ADJ adhesive and weld\$3	DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/17 18:45

_	1	derivatized SAME collagen and tissue ADJ adhesive and weld\$3 and fibers	USPAT; US-PGPUB;	2003/04/17 18:40
			EPO; JPO;	
			DERWENT	2003/04/17
-	4	derivatized SAME collagen and adhesive	USPAT;	18:40
i		and weld\$3 and fibers	US-PGPUB; EPO; JPO;	10.40
			DERWENT	
	3	derivatized SAME collagen SAME tissue ADJ	USPAT;	2003/04/17
_		adhesive	US-PGPUB;	18:45
		udiic51 vo	EPO; JPO;	
			DERWENT	
_	27	derivatized SAME collagen and tissue ADJ	USPAT;	2003/04/17
		adhesive	US-PGPUB;	18:46
			EPO; JPO;	
			DERWENT	2002/04/17
-	2	derivatized SAME collagen and tissue ADJ	USPAT;	2003/04/17
		adhesive and weld\$	US-PGPUB; EPO; JPO;	10.46
			DERWENT	
	2	derivatized SAME collagen and tissue ADJ	USPAT;	2003/04/17
-	2	adhesive and weld\$3	US-PGPUB;	18:46
		adicative did werdya	EPO; JPO;	
			DERWENT	
_	26	derivatized SAME collagen and tissue ADJ	USPAT;	2003/04/17
		adhesive and bond\$3	US-PGPUB;	18:48
			EPO; JPO;	
			DERWENT	2002/04/17
-	2	derivatized SAME collagen and tissue ADJ	USPAT;	2003/04/17
		adhesive and bond\$3 and photo	US-PGPUB; EPO; JPO;	18:40
			DERWENT	
	1	6547806.pn.	USPAT;	2003/04/18
_	1	6547606.pm.	US-PGPUB;	14:08
			EPO; JPO;	
			DERWENT	
_	0	6547806.pn. and "SH"	USPAT;	2003/04/18
		-	US-PGPUB;	14:08
			EPO; JPO;	
			DERWENT	2003/04/18
-	0	6547806.pn. and "S"	USPAT; US-PGPUB;	14:08
			EPO; JPO;	17.00
			DERWENT	
_	1	6547806.pn. and tissue	USPAT;	2003/04/18
			US-PGPUB;	14:09
			EPO; JPO;	
ł			DERWENT	
-	0	6547806.pn. and thiol	USPAT;	2003/04/18
			US-PGPUB;	14:09
			EPO; JPO;	
	_	C54700C and	DERWENT USPAT;	2003/04/18
-	0	6547806.pn. and mercapto	US-PGPUB;	14:09
			EPO; JPO;	
			DERWENT	
_	0	6547806.pn. and sulfhydral	USPAT;	2003/04/18
			US-PGPUB;	14:09
			EPO; JPO;	
			DERWENT	
-	0	6547806.pn. and derivatized	USPAT;	2003/04/18
			US-PGPUB;	14:09
			EPO; JPO;	
	_	C5 4700C and mil 5	DERWENT	2003/04/18
- '	0	6547806.pn. and sulfur	USPAT; US-PGPUB;	14:09
			EPO; JPO;	
			DERWENT	
L				

_	1	6547806.pn. and collagen	USPAT;	2003/04/18
		-	US-PGPUB;	14:19
			EPO; JPO;	
			DERWENT	
-	1	6495127.pn. and derivatize\$1 and "SH"	USPAT;	2003/04/18
			US-PGPUB;	14:19
			EPO; JPO;	
		CAOFIOT and device time (1 CDMP "CH"	DERWENT USPAT;	2003/04/18
-	0	6495127.pn. and derivatize\$1 SAME "SH"	US-PGPUB;	14:19
			EPO; JPO;	11.15
			DERWENT	
_	0	6495127.pn. and derivatize\$1 SAME	USPAT;	2003/04/18
	_	sulfhydral	US-PGPUB;	14:20
		•	EPO; JPO;	
			DERWENT	
-	1	6495127.pn. and derivatize\$1 SAME "S"	USPAT;	2003/04/18
			US-PGPUB;	14:20
			EPO; JPO;	
	_	C405127 mm and denistration (1 C2ME	DERWENT USPAT;	2003/04/18
ļ -	0		USPAT; US-PGPUB;	14:20
1		mercapto	EPO; JPO;	11.20
			DERWENT	
1_	1	6495127.pn. and derivatize\$1	USPAT;	2003/04/20
			US-PGPUB;	19:17
			EPO; JPO;	
			DERWENT	
_	188	derivatize\$1 SAME collagen	USPAT;	2003/04/18
			US-PGPUB;	14:27
			EPO; JPO;	
	_	device the college CAME this?	DERWENT USPAT;	2003/04/18
-	8	derivatize\$1 SAME collagen SAME thiol	USPAI; US-PGPUB;	14:28
			EPO; JPO;	
			DERWENT	
_	0	derivatize\$1 SAME collagen SAME thiol and	USPAT;	2003/04/18
		sealing	US-PGPUB;	14:28
			EPO; JPO;	
			DERWENT	0000/04/10
-	7	derivatize\$1 SAME collagen SAME thiol and	USPAT;	2003/04/18
		bond	US-PGPUB;	14:30
			EPO; JPO; DERWENT	
	_	derivatize\$1 SAME collagen SAME thiol and	USPAT;	2003/04/18
-			US-PGPUB;	14:30
		weld\$3	EPO; JPO;	
			DERWENT	
_	2	6495127.pn. and cyanoacrylate	USPAT;	2003/04/20
		<u>-</u>	US-PGPUB;	17:44
			EPO; JPO;	
			DERWENT	
-	1	6495127.pn. and "fibrous fillers"	USPAT;	2003/04/20
			US-PGPUB;	18:02
			EPO; JPO;	
		CAOFIOT mm and guanasamulata	DERWENT USPAT;	2003/04/20
-	2	6495127.pn. and cyanoacrylate	US-PGPUB;	18:17
			EPO; JPO;	
			DERWENT	
_	1	6495127.pn. and exemplary	USPAT;	2003/04/20
	•		US-PGPUB;	18:18
			EPO; JPO;	
			DERWENT	0000/04/00
-	1	6495127.pn. and fibrous	USPAT;	2003/04/20
			US-PGPUB;	19:00
			EPO; JPO;	
	l		DERWENT	L

1 6495127.pn. and mesh					
92	-	1	6495127.pn. and mesh		2003/04/20
SEMENT US-PGFUB; EPO; JPO; DERWENT US-PGFUB; DERWENT US-PGFU					19.12
202 Collagen SAME SH- USPAT; USPAGUB; EPO; JPO; DEWENT USPAT; USPAGUB; EPO; JPO; DEWENT USPAT; USPAGUB; EPO; JPO; DEWENT USPAGUB; EPO; JPO; DE					
19:12 19:146 19:14 19:		92	collagen SAME SH-		2003/04/20
Collagen SAME SH- and adhesive		72	dollayen bilin to	US-PGPUB;	19:12
36 Collagen SAME SH- and adhesive USPAT; US-GPUB; EPO; JPO; DERWENT USPAT; USPAT				·	
US-PCPUB; EPO; JPO; DERWENT US-PCPUB; EPO; JPO; JPO; DERWENT US-PCPUB; EPO; JPO; JPO; DERWENT US-PCPUB; EPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; J					0000 (04 (00
Collagen SAME SH- SAME adhesive	-	36	collagen SAME SH- and adhesive	· · · · · · · · · · · · · · · · · · ·	
Collagen SAME SH- SAME adhesive					19:12
- 1 6 collagen SAME SH- SAME adhesive					
1 6495127.pn. and collagen and derivative	_	6	collagen SAME SH- SAME adhesive		2003/04/20
1	_	ı °	Collagen SAID SIL SILD danesive	· ·	1
1 6495127.pn. and collagen and derivative USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; U				EPO; JPO;	
17					
Tamel.as. and collagen Sept. JPC DERWENT US-PGPUB; Sept. JPC D	_	1	6495127.pn. and collagen and derivative	· ·	
DERWENT USPAT:					21:18
17			•	1	
19:46 19:00 19:46 19:46 19:46 19:46 19:46 19:40 19:46 19:40 19:46 19:40 19:4		17	flamel as and collagen		2003/04/20
Pop	_	'	tramer.as. and corragen		
DERWENT USPAT; US-PCPUB; EPO; JPO; DERWENT US-PCPUB; EPO	1				
US-FCPUB; EPO; JPO; DERWENT USPAT; US-RCPUB; EPO; JPO; DERWENT US-RCPUB; EPO; JPO; JPO; DERWENT US-RCPUB; EPO; JPO; JPO; DERWENT US-RCPUB; EPO; JPO; JPO;				DERWENT	
	-	5	flamel.as. and collagen and SH		1
DERWENT US-PGPUB; EPO; JPO; JPO; JPO; JPO; JPO; JPO; DERWENT US-PGPUB; EPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; J				1	20:01
- 0 flamel.as. and collagen and SH and COO USPAT; US-PGPUB; EPO; JPO; DERWENT "glutaric anhydride" US-PGPUB; EPO; JPO; DERWENT "glutaric anhydride" US-PGPUB; EPO; JPO; DERWENT "USPAT; 2003/04/20 20:04 EPO; JPO; DERWENT USPAT; 20:17 EPO; JPO; DERWENT USPAT; 20:17 EPO; JPO; DERWENT USPAT; 20:17 EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EP					
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"glutaric anhydride" US-PGPUB; EPO; JPO; DERWENT USPAT; USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; USPAT; USPAT; USPAT; US					
"glutaric anhydride"	_	1	flamel.as. and collagen and SH and	USPAT;	1
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flamel.as. and 5412076.pn. and SH and "glutaric anhydride" US-PGPUB; EPO; JPO; DERWENT					
"glutaric anhydride"			sa a sand SH and	1	2003/04/20
EPO; JPO; DERWENT 2003/04/20 20:17 2003/04/20 20:17 2003/04/20 20:17 2003/04/20 20:18 20:18 20:18 20:19 20:18 20:18 20:18 20:18 20:18 20:18 20:18 20:18 20:18 20:18 20:18 20:18 20:18 20:18 20:18 20:19 20:18 20:19 20:1	_	1		· ·	
- 118 collagen and SH and COO US-PGPUB; EPO; JPO; DERWENT USPAT; 2003/04/20 US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; 2003/04/20 20:19 - 0 collagen.ab. and collagen SAME SH and collagen SAME COO and adhesive US-PGPUB; EPO; JPO; DERWENT USPAT; 2003/04/20 20:20 - 1 collagen.ab. and collagen SAME SH and collagen SAME "glutaric acid" and adhesive US-PGPUB; EPO; JPO; DERWENT USPAT; 2003/04/20 20:21 - 1 collagen.ab. and collagen SAME SH and collagen SAME acylation and adhesive US-PGPUB; EPO; JPO; DERWENT USPAT; 2003/04/20 20:27 - 0 collagen.ab. and collagen SAME sulfhydral and collagen SAME acylation and adhesive US-PGPUB; EPO; JPO; DERWENT USPAT; 2003/04/20 20:27			"glutaric annydride		
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- 23 collagen and SH and COO and adhesive USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DER		1			
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- 1 collagen.ab. and SH and COO and adhesive USPAT; 2003/04/20 US-PGPUB; EPO; JPO; DERWENT USPAT; 2003/04/20 US-PG	-	23	collagen and SH and COO and adnesive	· ·	1
- 1 collagen.ab. and SH and COO and adhesive USPAT; US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT					
- 1 collagen.ab. and SH and COO and adhesive USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT US-PGP					
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EPO; JPO;			and collagen SAME acylation and adhesive	US-PGPUB;	20:21
DERWENT					
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